



# 7A6 TWIN DIODE

7A6

## GENERAL DATA

### Electrical:

Heater, for Unipotential Cathodes:

Voltage. . . . . 6.3<sup>□</sup> . . . . . ac or dc volts

Current. . . . . 0.15<sup>□□</sup> . . . . . amp

Direct Interelectrode Capacitances (Approx.):<sup>○</sup>

Plate to Cathode

(Diode No.1) . . . . . 2.0 . . . . .  $\mu\text{f}$

Plate to Cathode

(Diode No.2) . . . . . 2.6 . . . . .  $\mu\text{f}$

Plate of Diode No.1 to

Plate of Diode No.2 . . . . . 0.1 max. . . . .  $\mu\text{f}$

<sup>○</sup> With external shield connected to cathodes.

### Mechanical:

Mounting Position. . . . . Any

Maximum Overall Length . . . . . 2-25/32"

Maximum Seated Length. . . . . 2-1/4"

Maximum Diameter . . . . . 1-3/16"

Bulb . . . . . T-9

Base . . . . . Lock-in 8-Pin

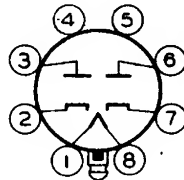
Basing Designation for BOTTOM VIEW . . . . . 7AJ

Pin 1-Heater

Pin 2-Cathode of  
Diode No.2

Pin 3-Plate of  
Diode No.2

Pin 4-No  
Connection



Pin 5-Internal  
Shield

Pin 6-Plate of  
Diode No.1

Pin 7-Cathode of  
Diode No.1

Pin 8-Heater  
Plug - Base Shell

### Maximum Ratings, Design-Center Values (Each Diode):

RMS PLATE VOLTAGE. . . . . 150 max. volts

PEAK PLATE CURRENT . . . . . 45 max. ma.

DC OUTPUT CURRENT . . . . . 8 max. ma.

PEAK HEATER-CATHODE VOLTAGE:

Heater negative with respect to cathode. 330 max. volts

Heater positive with respect to cathode. 330 max. volts

<sup>□</sup> Nominal voltage = 7.0 volts.

<sup>□□</sup> Nominal current = 0.160 ampere.